(b) Does not arise.

(d) Yes, Sir.

*** Launching of satellites by ISRO**

3231. SHRI RAMA MUNI REDDY SIRIGIREDDY: Will the PRIME MINISTER be pleased to state:

(a) whether it is a fact that ISRO is going to launch four satellites this year;

(b) if so, the details of satellites that are going to be launched this year; and

(c) by when INSAT-4A is going to be launched so as to start DTH Satellite TV applications by various service providers in India?

THE MINISTER OF STATE IN THE PRIME MINISTER'S OFFICE (SHRI PRITHVIRAJ CHAVAN): (a) Yes, Sir.

(b) Cartosat-1 to be launched in May 2005 using PSLV. Cartosat-1 is a remote sensing satellite with stereo mapping capability using a two-camera system providing 2.5m spatial resolution. A micro-satellite for amateur communication called HAMSAT is also to be launched piggyback with Cartosat-1.

INSAT-4A to be launched in the third quarter of 2005 using 'Ariane' launch vehicle.

INSAT-4A is a communication satellite providing coverage over India.

Cartosat-2 to be launched in the last quarter of 2005 using PSLV Cartosat-2 is aremote sensing satellite with high resolution mapping capability at 1m spatial resolution.

SRE-1 (Space capsule Recovery Experiment) is to be launched along with Cartosat-2 as a co-passenger. SRE-1 is intended for demonstrating the technolgies associated with recovering an orbiting space capsule.

(c) INSAT-4A providing communication services including DTH is planned to be launched in the third quarter of 2005.

Test flight of GSLV

†3232. PROF. R.B.S. VERMA: Will the PRIME MINISTER be pleased to state:

(a) whether it is a fact that Government are making preparations for conducting third test flight of GSLV;

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†Original notice of the question was received in Hindi.